

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM No. R1-2000-##*

For

Noranda, Inc.
Noranda Grey Eagle Mines, Inc.
And
Siskon Corporation

Siskiyou County

MONITORING – WATER QUALITY

Grab samples shall be collected at monitoring stations listed below and analyzed as follows:

STATION	LOCATION	ANALYSES	FREQUENCY
3	Luther Gulch Below Toe of Tailings Dam	List 1	Quarterly
14	Blanket Drain Discharge At Toe of Dam (D4)	1	Quarterly
21	Infiltration West Well	1	Quarterly
24	Toe of Dam Well No. 2	1	Quarterly
25	Water Treatment Plant Effluent	1 2	Monthly Annually
26	Chimney Drain Flow (D1/D2)	1	Quarterly
1.	Total Cyanide, Free Cyanide, Copper, Iron, Zinc, Sulfate, Chloride, Sodium, pH, EC, and TDS.		
2.	List 1 plus Cadmium, Nickel and Mercury.		

FLOW/LEVEL MONITORING

Static levels in groundwater monitoring wells shall be recorded at the time of sample collection. Flow rate shall be measured at Station 14 and the road crossing (water hole) on Luther Gulch Creek at the approximate time of sample collection.

Flow rate for the seepage treatment system shall be recorded daily.

MONITORING – EROSION CONTROL

The discharger shall observe and record erosion/slope stability problems and sediment control basin performance. Monitoring records shall be related to storm events.

MONITORING – LIME ADDITION

In addition to the withdrawal and injection wells, the discharger proposes to install a monitoring well in the lower stopes in the mine. The discharger shall submit to the Regional Water Board a detailed monitoring proposal to document water quality conditions inside the mine as the lime treatment process is implemented. The plan shall be submitted to the Regional Water Board upon completion of the exploration phase. Upon approval of the plan, this monitoring program will be modified as necessary to require documentation of project milestones and water quality conditions in the mine.

REPORTING

Monitoring reports shall be submitted to the Regional Water Board on a quarterly basis. Reporting scheduled may be modified as necessary to document progress associated with the lime addition project. Reports shall include results from all water quality analyses performed and shall be signed by a responsible official of Noranda Grey Eagle Mines, Inc. The report shall include a detailed narrative summary of erosion control monitoring during the month and a description of proposed corrective measures if necessary. The erosion control monitoring summary shall be supplemented with photographs as necessary to accurately describe problems and corrective measures.

Ordered by _____

Lee A. Michelin
Executive Officer

July 27, 2000